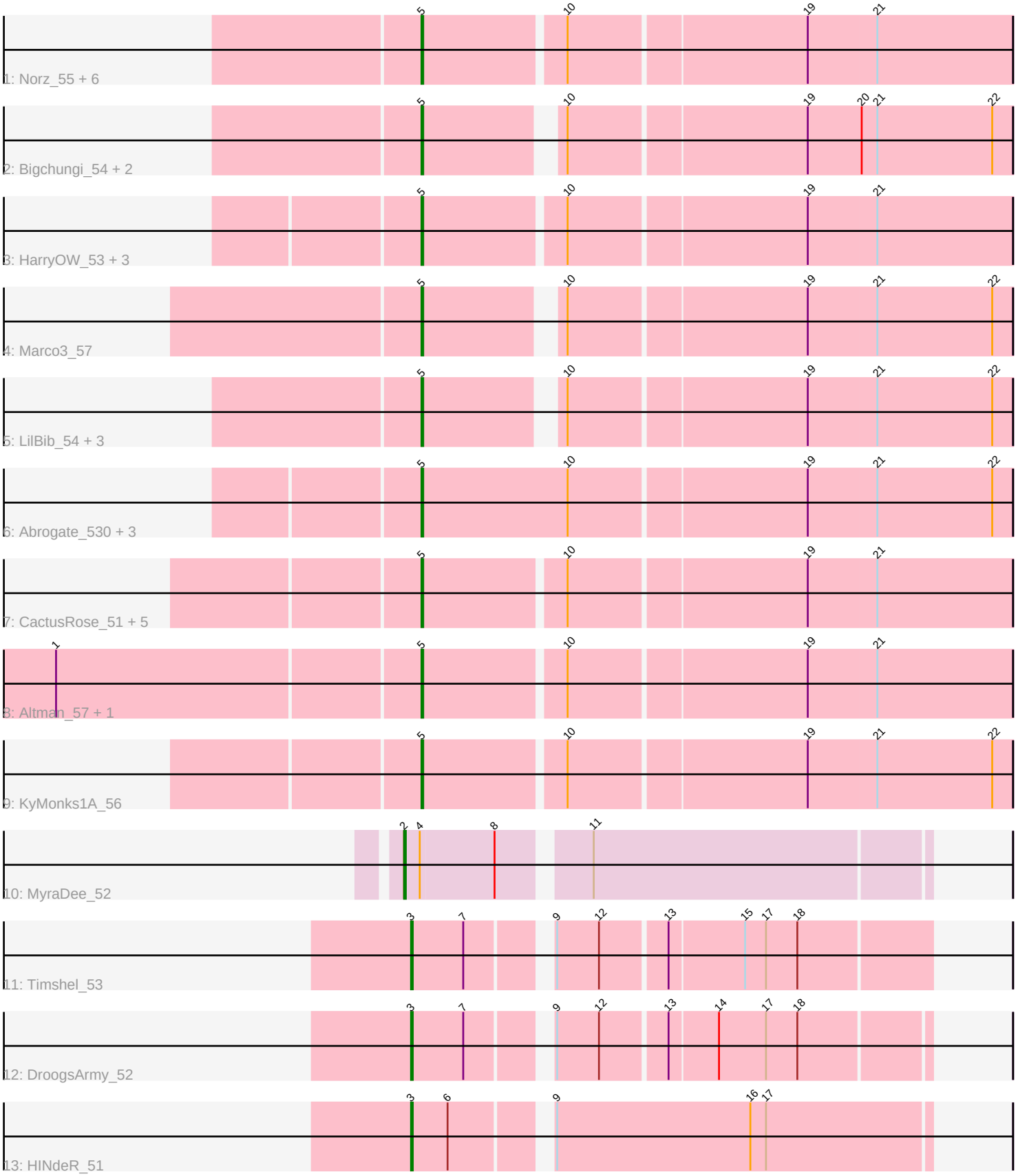
Pham 336952


1: Norz_55 + 6
2: Bigchungi_54 + 2
3: HarryOW_53 + 3
4: Marco3_57
5: LilBib_54 + 3
6: Abrogate_530 + 3
7: CactusRose_51 + 5
8: Altman_57 + 1
9: KyMonks1A_56
10: MyraDee_52
11: Timshel_53
12: DroogsArmy_52
13: HINdeR_51

Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. If this default region is judged to be packed too tightly with annotated starts, the track will be further scaled to only show that region of the ORF with annotated starts. This action will be indicated by adding "Zoomed" to the title. For starts, yellow indicates the location of called starts comprised solely of Glimmer/GeneMark auto-annotations, green indicates the location of called starts with at least 1 manual gene annotation.

Pham 336952 Report

This analysis was run 11/14/26 on database version 672.

Pham number 336952 has 36 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Norz_55, Adahisdi_54, Smairt_56, PhrostyMug_53, Mule_51, Perseus_54, Aeneas_56
• Track 2 : Bigchungi_54, Ashballer_56, JC27_56
• Track 3 : HarryOW_53, CartmannCramer_53, QTRlifeCrisis_53, Violet_52
• Track 4 : Marco3_57
• Track 5 : LilBib_54, Makemake_54, Gyzlar_50, Pelly_54
• Track 6 : Abrogate_530, Oogway_53, JackSparrow_56, ConceptII_56
• Track 7 : CactusRose_51, Zeeculate_52, Atkinbua_57, Maroc7_52, Phlippers_53, Fascinus_50
• Track 8 : Altman_57, Kanely_56
• Track 9 : KyMonks1A_56
• Track 10 : MyraDee_52
• Track 11 : Timshel_53
• Track 12 : DroogsArmy_52
• Track 13 : HINdeR_51

Summary of Final Annotations (See graph section above for start numbers):

The start number called the most often in the published annotations is 5, it was called in 30 of the 34 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Abrogate_530, Adahisdi_54, Aeneas_56, Altman_57, Ashballer_56, Atkinbua_57, Bigchungi_54, CactusRose_51, CartmannCramer_53, ConceptII_56, Fascinus_50, Gyzlar_50, HarryOW_53, JC27_56, JackSparrow_56, Kanely_56, KyMonks1A_56, LilBib_54, Makemake_54, Marco3_57, Maroc7_52, Mule_51, Norz_55, Oogway_53, Pelly_54, Perseus_54, Phlippers_53, PhrostyMug_53, QTRlifeCrisis_53, Smairt_56, Violet_52, Zeeculate_52,

Genes that have the "Most Annotated" start but do not call it:
•

Genes that do not have the "Most Annotated" start:
• DroogsArmy_52, HINdeR_51, MyraDee_52, Timshel_53,

Summary by start number:

Start 2:
• Found in 1 of 36 (2.8%) of genes in pham
• Manual Annotations of this start: 1 of 34
• Called 100.0% of time when present
• Phage (with cluster) where this start called: MyraDee_52 (A18),

Start 3:
• Found in 3 of 36 (8.3%) of genes in pham
• Manual Annotations of this start: 3 of 34
• Called 100.0% of time when present
• Phage (with cluster) where this start called: DroogsArmy_52 (A7), HINdeR_51 (A7), Timshel_53 (A7),

Start 5:
• Found in 32 of 36 (88.9%) of genes in pham
• Manual Annotations of this start: 30 of 34
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Abrogate_530 (A1), Adahisdi_54 (A1), Aeneas_56 (A1), Altman_57 (A1), Ashballer_56 (A1), Atkinbua_57 (A1), Bigchungi_54 (A1), CactusRose_51 (A1), CartmannCramer_53 (A1), ConceptII_56 (A1), Fascinus_50 (A1), Gyzlar_50 (A1), HarryOW_53 (A1), JC27_56 (A1), JackSparrow_56 (A1), Kanely_56 (A1), KyMonks1A_56 (A1), LilBib_54 (A1), Makemake_54 (A1), Marco3_57 (A1), Maroc7_52 (A1), Mule_51 (A1), Norz_55 (A1), Oogway_53 (A1), Pelly_54 (A1), Perseus_54 (A1), Phlippers_53 (A1), PhrostyMug_53 (A1), QTRlifeCrisis_53 (A1), Smairt_56 (A1), Violet_52 (A1), Zeeculate_52 (A1),

Summary by clusters:

There are 3 clusters represented in this pham: A1, A18, A7,

Info for manual annotations of cluster A1:
•Start number 5 was manually annotated 30 times for cluster A1.

Info for manual annotations of cluster A18:
•Start number 2 was manually annotated 1 time for cluster A18.

Info for manual annotations of cluster A7:
•Start number 3 was manually annotated 3 times for cluster A7.

Gene Information:

Gene: Abrogate_530 Start: 39518, Stop: 39186, Start Num: 5
Candidate Starts for Abrogate_530:
(Start: 5 @39518 has 30 MA's), (10, 39434), (19, 39302), (21, 39263), (22, 39197),

Gene: Adahisdi_54 Start: 39245, Stop: 38919, Start Num: 5
Candidate Starts for Adahisdi_54:

(Start: 5 @39245 has 30 MA's), (10, 39167), (19, 39035), (21, 38996),

Gene: Aeneas_56 Start: 39462, Stop: 39136, Start Num: 5
Candidate Starts for Aeneas_56:
(Start: 5 @39462 has 30 MA's), (10, 39384), (19, 39252), (21, 39213),

Gene: Altman_57 Start: 39435, Stop: 39109, Start Num: 5
Candidate Starts for Altman_57:
(1, 39639), (Start: 5 @39435 has 30 MA's), (10, 39357), (19, 39225), (21, 39186),

Gene: Ashballer_56 Start: 39325, Stop: 38999, Start Num: 5
Candidate Starts for Ashballer_56:
(Start: 5 @39325 has 30 MA's), (10, 39247), (19, 39115), (20, 39085), (21, 39076), (22, 39010),

Gene: Atkinbua_57 Start: 39041, Stop: 38715, Start Num: 5
Candidate Starts for Atkinbua_57:
(Start: 5 @39041 has 30 MA's), (10, 38963), (19, 38831), (21, 38792),

Gene: Bigchungi_54 Start: 37996, Stop: 37679, Start Num: 5
Candidate Starts for Bigchungi_54:
(Start: 5 @37996 has 30 MA's), (10, 37927), (19, 37795), (20, 37765), (21, 37756), (22, 37690),

Gene: CactusRose_51 Start: 38051, Stop: 37725, Start Num: 5
Candidate Starts for CactusRose_51:
(Start: 5 @38051 has 30 MA's), (10, 37973), (19, 37841), (21, 37802),

Gene: CartmannCramer_53 Start: 40398, Stop: 40072, Start Num: 5
Candidate Starts for CartmannCramer_53:
(Start: 5 @40398 has 30 MA's), (10, 40320), (19, 40188), (21, 40149),

Gene: ConceptII_56 Start: 40213, Stop: 39887, Start Num: 5
Candidate Starts for ConceptII_56:
(Start: 5 @40213 has 30 MA's), (10, 40135), (19, 40003), (21, 39964), (22, 39898),

Gene: DroogsArmy_52 Start: 39412, Stop: 39140, Start Num: 3
Candidate Starts for DroogsArmy_52:
(Start: 3 @39412 has 3 MA's), (7, 39382), (9, 39343), (12, 39319), (13, 39283), (14, 39256), (17, 39229), (18, 39211),

Gene: Fascinus_50 Start: 37779, Stop: 37453, Start Num: 5
Candidate Starts for Fascinus_50:
(Start: 5 @37779 has 30 MA's), (10, 37701), (19, 37569), (21, 37530),

Gene: Gyzlar_50 Start: 36572, Stop: 36246, Start Num: 5
Candidate Starts for Gyzlar_50:
(Start: 5 @36572 has 30 MA's), (10, 36494), (19, 36362), (21, 36323), (22, 36257),

Gene: HINdeR_51 Start: 39074, Stop: 38793, Start Num: 3
Candidate Starts for HINdeR_51:
(Start: 3 @39074 has 3 MA's), (6, 39053), (9, 39005), (16, 38894), (17, 38885),

Gene: HarryOW_53 Start: 37830, Stop: 37504, Start Num: 5
Candidate Starts for HarryOW_53:

(Start: 5 @37830 has 30 MA's), (10, 37752), (19, 37620), (21, 37581),

Gene: JC27_56 Start: 39014, Stop: 38688, Start Num: 5
Candidate Starts for JC27_56:
(Start: 5 @39014 has 30 MA's), (10, 38936), (19, 38804), (20, 38774), (21, 38765), (22, 38699),

Gene: JackSparrow_56 Start: 39081, Stop: 38749, Start Num: 5
Candidate Starts for JackSparrow_56:
(Start: 5 @39081 has 30 MA's), (10, 38997), (19, 38865), (21, 38826), (22, 38760),

Gene: Kanely_56 Start: 39212, Stop: 38886, Start Num: 5
Candidate Starts for Kanely_56:
(1, 39416), (Start: 5 @39212 has 30 MA's), (10, 39134), (19, 39002), (21, 38963),

Gene: KyMonks1A_56 Start: 38773, Stop: 38447, Start Num: 5
Candidate Starts for KyMonks1A_56:
(Start: 5 @38773 has 30 MA's), (10, 38695), (19, 38563), (21, 38524), (22, 38458),

Gene: LilBib_54 Start: 39972, Stop: 39655, Start Num: 5
Candidate Starts for LilBib_54:
(Start: 5 @39972 has 30 MA's), (10, 39903), (19, 39771), (21, 39732), (22, 39666),

Gene: Makemake_54 Start: 39123, Stop: 38797, Start Num: 5
Candidate Starts for Makemake_54:
(Start: 5 @39123 has 30 MA's), (10, 39045), (19, 38913), (21, 38874), (22, 38808),

Gene: Marco3_57 Start: 40400, Stop: 40083, Start Num: 5
Candidate Starts for Marco3_57:
(Start: 5 @40400 has 30 MA's), (10, 40331), (19, 40199), (21, 40160), (22, 40094),

Gene: Maroc7_52 Start: 38088, Stop: 37762, Start Num: 5
Candidate Starts for Maroc7_52:
(Start: 5 @38088 has 30 MA's), (10, 38010), (19, 37878), (21, 37839),

Gene: Mule_51 Start: 36748, Stop: 36431, Start Num: 5
Candidate Starts for Mule_51:
(Start: 5 @36748 has 30 MA's), (10, 36679), (19, 36547), (21, 36508),

Gene: MyraDee_52 Start: 34835, Stop: 34551, Start Num: 2
Candidate Starts for MyraDee_52:
(Start: 2 @34835 has 1 MA's), (4, 34826), (8, 34784), (11, 34739),

Gene: Norz_55 Start: 39955, Stop: 39629, Start Num: 5
Candidate Starts for Norz_55:
(Start: 5 @39955 has 30 MA's), (10, 39877), (19, 39745), (21, 39706),

Gene: Oogway_53 Start: 38643, Stop: 38317, Start Num: 5
Candidate Starts for Oogway_53:
(Start: 5 @38643 has 30 MA's), (10, 38565), (19, 38433), (21, 38394), (22, 38328),

Gene: Pelly_54 Start: 38722, Stop: 38396, Start Num: 5
Candidate Starts for Pelly_54:
(Start: 5 @38722 has 30 MA's), (10, 38644), (19, 38512), (21, 38473), (22, 38407),

Gene: Perseus_54 Start: 39643, Stop: 39317, Start Num: 5
Candidate Starts for Perseus_54:
(Start: 5 @39643 has 30 MA's), (10, 39565), (19, 39433), (21, 39394),

Gene: Phlippers_53 Start: 39444, Stop: 39118, Start Num: 5
Candidate Starts for Phlippers_53:
(Start: 5 @39444 has 30 MA's), (10, 39366), (19, 39234), (21, 39195),

Gene: PhrostyMug_53 Start: 38922, Stop: 38596, Start Num: 5
Candidate Starts for PhrostyMug_53:
(Start: 5 @38922 has 30 MA's), (10, 38844), (19, 38712), (21, 38673),

Gene: QTRlifeCrisis_53 Start: 38993, Stop: 38667, Start Num: 5
Candidate Starts for QTRlifeCrisis_53:
(Start: 5 @38993 has 30 MA's), (10, 38915), (19, 38783), (21, 38744),

Gene: Smairt_56 Start: 39915, Stop: 39589, Start Num: 5
Candidate Starts for Smairt_56:
(Start: 5 @39915 has 30 MA's), (10, 39837), (19, 39705), (21, 39666),

Gene: Timshel_53 Start: 39472, Stop: 39197, Start Num: 3
Candidate Starts for Timshel_53:
(Start: 3 @39472 has 3 MA's), (7, 39442), (9, 39403), (12, 39379), (13, 39343), (15, 39301), (17, 39289), (18, 39271),

Gene: Violet_52 Start: 39312, Stop: 38986, Start Num: 5
Candidate Starts for Violet_52:
(Start: 5 @39312 has 30 MA's), (10, 39234), (19, 39102), (21, 39063),

Gene: Zeeculate_52 Start: 39351, Stop: 39025, Start Num: 5
Candidate Starts for Zeeculate_52:
(Start: 5 @39351 has 30 MA's), (10, 39273), (19, 39141), (21, 39102),